**tidyDataSet Project Code Book**

The tidyData text file consists of data with 81 variables capturing various averages for 30 study subjects performing 6 different activities for a total of 180 records of information. The variables are each described below:

[1] "activity": Describes the activity being measured (LAYING, SITTING, STANDING, WALKING, WALKING\_DOWNSTAIRS, WALKING\_UPSTAIRS)

[2] "subject: Identifies the people involved in the study, numbered 1 through 30.

[3] "AveragetBodyAccAverageOfAxisX"

[4] "AveragetBodyAccAverageOfAxisY"

[5] "AveragetBodyAccAverageOfAxisZ"

[6] "AveragetBodyAccStdDevOfAxisX"

[7] "AveragetBodyAccStdDevOfAxisY"

[8] "AveragetBodyAccStdDevOfAxisZ"

[9] "AveragetGravityAccAverageOfAxisX"

[10] "AveragetGravityAccAverageOfAxisY"

[11] "AveragetGravityAccAverageOfAxisZ"

[12] "AveragetGravityAccStdDevOfAxisX"

[13] "AveragetGravityAccStdDevOfAxisY"

[14] "AveragetGravityAccStdDevOfAxisZ"

[15] "AveragetAccJerkOfBodyAverageOfAxisX"

[16] "AveragetAccJerkOfBodyAverageOfAxisY"

[17] "AveragetAccJerkOfBodyAverageOfAxisZ"

[18] "AveragetAccJerkOfBodyStdDevOfAxisX"

[19] "AveragetAccJerkOfBodyStdDevOfAxisY"

[20] "AveragetAccJerkOfBodyStdDevOfAxisZ"

[21] "AveragetBodyGyroAverageOfAxisX"

[22] "AveragetBodyGyroAverageOfAxisY"

[23] "AveragetBodyGyroAverageOfAxisZ"

[24] "AveragetBodyGyroStdDevOfAxisX"

[25] "AveragetBodyGyroStdDevOfAxisY"

[26] "AveragetBodyGyroStdDevOfAxisZ"

[27] "AveragetGyroJerkOfBodyAverageOfAxisX"

[28] "AveragetGyroJerkOfBodyAverageOfAxisY"

[29] "AveragetGyroJerkOfBodyAverageOfAxisZ"

[30] "AveragetGyroJerkOfBodyStdDevOfAxisX"

[31] "AveragetGyroJerkOfBodyStdDevOfAxisY"

[32] "AveragetGyroJerkOfBodyStdDevOfAxisZ"

[33] "AveragetBodyAccMagnitudeAverage"

[34] "AveragetBodyAccMagnitudeStdDev"

[35] "AveragetGravityAccMagnitudeAverage"

[36] "AveragetGravityAccMagnitudeStdDev"

[37] "AveragetAccJerkOfBodyMagnitudeAverage"

[38] "AveragetAccJerkOfBodyMagnitudeStdDev"

[39] "AveragetBodyGyroMagnitudeAverage"

[40] "AveragetBodyGyroMagnitudeStdDev"

[41] "AveragetGyroJerkOfBodyMagnitudeAverage"

[42] "AveragetGyroJerkOfBodyMagnitudeStdDev"

[43] "AveragefBodyAccAverageOfAxisX"

[44] "AveragefBodyAccAverageOfAxisY"

[45] "AveragefBodyAccAverageOfAxisZ"

[46] "AveragefBodyAccStdDevOfAxisX"

[47] "AveragefBodyAccStdDevOfAxisY"

[48] "AveragefBodyAccStdDevOfAxisZ"

[49] "AveragefBodyAccAverageFreqOfAxisX"

[50] "AveragefBodyAccAverageFreqOfAxisY"

[51] "AveragefBodyAccAverageFreqOfAxisZ"

[52] "AveragefAccJerkOfBodyAverageOfAxisX"

[53] "AveragefAccJerkOfBodyAverageOfAxisY"

[54] "AveragefAccJerkOfBodyAverageOfAxisZ"

[55] "AveragefAccJerkOfBodyStdDevOfAxisX"

[56] "AveragefAccJerkOfBodyStdDevOfAxisY"

[57] "AveragefAccJerkOfBodyStdDevOfAxisZ"

[58] "AveragefAccJerkOfBodyAverageFreqOfAxisX"

[59] "AveragefAccJerkOfBodyAverageFreqOfAxisY"

[59] "AveragefAccJerkOfBodyAverageFreqOfAxisZ"

[61] "AveragefBodyGyroAverageOfAxisX"

[62] "AveragefBodyGyroAverageOfAxisY"

[63] "AveragefBodyGyroAverageOfAxisZ"

[64] "AveragefBodyGyroStdDevOfAxisX"

[65] "AveragefBodyGyroStdDevOfAxisY"

[66] "AveragefBodyGyroStdDevOfAxisZ"

[67] "AveragefBodyGyroAverageFreqOfAxisX"

[68] "AveragefBodyGyroAverageFreqOfAxisY"

[69] "AveragefBodyGyroAverageFreqOfAxisZ"

[70] "AveragefBodyAccMagnitudeAverage"

[71] "AveragefBodyAccMagnitudeStdDev"

[72] "AveragefBodyAccMagnitudeAverageFreq"

[73] "AveragefBodyAccJerkOfBodyMagnitudeAverage"

[74] "AveragefBodyAccJerkOfBodyMagnitudeStdDev"

[75] "AveragefBodyAccJerkOfBodyMagnitudeAverageFreq"

[76] "AveragefBodyBodyGyroMagnitudeAverage"

[77] "AveragefBodyBodyGyroMagnitudeStdDev"

[78] "AveragefBodyBodyGyroMagnitudeAverageFreq"

[79] "AveragefBodyGyroJerkOfBodyMagnitudeAverage"

[80] "AveragefBodyGyroJerkOfBodyMagnitudeStdDev"

[81] "AveragefBodyGyroJerkOfBodyMagnitudeAverageFreq"